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PATENT  
0020-4973P

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: MIZOKAMI, Hiroshi et al.  
Int'l. Appl. No.: PCT/JP01/06209  
Appl. No.: New Group:  
Filed: March 21, 2002 Examiner:  
For: METHOD FOR PURIFYING CALCIUM ION-  
BINDING PROTEIN

PRELIMINARY AMENDMENT

**BOX PATENT APPLICATION**

Assistant Commissioner for Patents  
Washington, DC 20231

March 21, 2002

Sir:

The following Preliminary Amendments and Remarks are respectfully submitted in connection with the above-identified application.

**AMENDMENTS**

**IN THE SPECIFICATION:**

Please amend the specification as follows:

Before line 1, insert --This application is the national phase under 35 U.S.C. § 371 of PCT International Application No. PCT/JP01/06209 which has an International filing date of July 18, 2001, which designated the United States of America.--

Docket No. 0020-4973P

**IN THE CLAIMS:**

Please amend the claims as follows:

12. (Amended) The method of claim 1, 7, 8, 9 or 10 wherein the elution step is performed at a flow rate of 1 to 150 cm/h.

16. (Amended) The method of claim 1 wherein the calcium ion-binding protein is selected from the group consisting of Annexins I, II, III, IV, V, VI and VII.

17. (Amended) The method of claim 1 wherein the sample contains a calcium ion-binding protein prepared by the genetic recombination technique.

18. (Amended) The method of claim 1 wherein the adsorption and elution steps are performed at pH 5 to 10.

30. (Amended) The method of claim 23 wherein the calcium ion-binding protein is selected from the group consisting of Annexins I, II, III, IV, V, VI and VII.

31. (Amended) The method of claim 23 wherein the sample contains a calcium ion-binding protein prepared by the genetic recombination technique.

35. (Amended) A calcium ion-binding protein of high purity in a single peak as determined by gel filtration chromatographic analysis, obtained by the method of claim 1.

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**REMARKS**

The specification has been amended to provide a cross-reference to the previously filed International Application.


The amendment to the claims is merely to correct improper multiple dependencies and to place the application into better form for examination. Entry of the above amendments is earnestly solicited. An early and favorable first action on the merits is earnestly solicited.

Attached hereto is a marked-up version of the changes made to the application by this Amendment.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

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Attachment: VERSION WITH MARKINGS TO SHOW CHANGES MADE

(Rev. 02/21/02)

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

The claims have been amended as follows:

12. (Amended) The method of [claim 1, 7, 8, 9, 10 or 11]~~claim 1, 7, 8, 9 or 10~~ wherein the elution step is performed at a flow rate of 1 to 150 cm/h.

16. (Amended) The method of [any one of claims 1 to 15]~~claim 1~~ wherein the calcium ion-binding protein is selected from the group consisting of Annexins I, II, III, IV, V, VI and VII.

17. (Amended) The method of [any one of claims 1 to 16]~~claim 1~~ wherein the sample contains a calcium ion-binding protein prepared by the genetic recombination technique.

18. (Amended) The method of [any one of claims 1 to 17]~~claim 1~~ wherein the adsorption and elution steps are performed at pH 5 to 10.

30. (Amended) The method of [any one of claims 23 to 29]~~claim 23~~ wherein the calcium ion-binding protein is selected from the group consisting of Annexins I, II, III, IV, V, VI and VII.

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31. (Amended) The method of [any one of claims 23 to 30]claim 23 wherein the sample contains a calcium ion-binding protein prepared by the genetic recombination technique.

32. (Amended) The method of [any one of claims 23 to 31]claim 23 wherein the method is performed at pH 5 to 10.

35. (Amended) A calcium ion-binding protein of high purity in a single peak as determined by gel filtration chromatographic analysis, obtained by the method of [any one of claims 1 to 34]claim 1.

(Rev 11/13/01)